

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092872 A1

(51) International Patent Classification⁷: **C07D 279/16**,
A61P 31/00, A61K 31/5415

(74) Agent: **ALBIHNS A/S**; H.C. Andersens Boulevard 49,
DK-1553 Copenhagen V (DK).

(21) International Application Number:
PCT/DK2005/000201

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2004 00489 26 March 2004 (26.03.2004) DK
60/557,985 31 March 2004 (31.03.2004) US

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

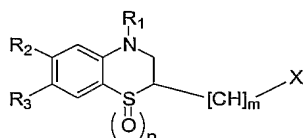
(75) Inventors/Applicants (*for US only*): **CALI, Patrizia** [IT/DK]; J.C. Christensensgade 2A, DK-2300 Copenhagen S (DK). **HJELMENCRA NTZ, Anders** [SE/SE]; Sidbäcksgränd 7, SE-216 20 Malmö (SE). **NÆRUM, Lars** [DK/DK]; Alrunevej 14, DK-2900 Hellerup (DK).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEPTIDE DEFORMYLASE INHIBITORS



(I)

(57) Abstract: Benzothiazine compounds of the general formula (I) and pharmaceutically acceptable salts or esters thereof are peptide deformylase inhibitors useful in the treatment or prevention of infections and other diseases in which peptide deformylases are involved, especially in the treatment of bacterial and parasitic infections, for example infections fully or partly caused by microorganisms belonging to *Staphylococcus*, *Enterococcus*, *Streptococcus*, *Haemophilus*,

Moraxella, *Escherichia*, *Mycobacterium*, *Mycoplasma*, *Pseudomonas*, *Chlamydia*, *Rickettsia*, *Klebsiella*, *Shigella*, *Salmonella*, *Bordetella*, *Clostridium*, *Helicobacter*, *Campylobacter*, *Legionella* or *Neisseria*.



WO 2005/092872 A1